## WHAT IS CLAIMED IS:

A recording medium, comprising:

a substrate;

a recording layer overlying the substrate and having a plurality of charge accumulating regions each containing a first material capable of accumulating an electric charge; and

a photoconductive layer formed on the recording layer and having a photoconductive region containing a second material whose conductivity is increased by light absorption.

2. The recording medium according to claim 1, further comprising:

a conductive layer interposed between the substrate and the recording layer; and

an insulating layer interposed between the conductive layer and the recording layer.

- 3. The recording medium according to claim 1, wherein said recording layer further comprises at least one electrically insulating region which electrically insulates said plural charge accumulating regions from each other.
- 4. The recording medium according to claim 3, wherein said recording layer has a structure that said plural charge accumulating regions and said at least one electrically insulating region are juxtaposed to each other overlying said substrate.

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- 5. The recording medium according to claim 3, wherein said recording layer has a dispersing medium and said plural charge accumulating regions dispersed in said dispersing medium and said at least one electrically insulating region constitutes at least a part of said dispersing medium.
- 6. The recording medium according to claim 3, wherein said recording layer has an insulating layer having a plurality of recessed portions on the surface thereof as said at least one electrically insulating region and has a structure that said recessed portions are filled with said plural charge accumulating regions.
- 7. The recording medium according to claim 1, wherein said second material is a material whose conductivity is non-linearly changed in accordance with intensity of light irradiating said second material.
  - 8. A recording medium / comprising:
  - a substrate;
  - a conductive layer ovelying the substrate;
- a photoconductive layer overlying the conductive layer and containing a second material whose conductivity is increased by light absorption; and
- a recording layer formed on the photoconductive layer and having a plurality of charge accumulating regions each containing a first material capable of accumulating an electric charge.
  - 9. The recording medium according to claim 8,

further comprising an electrically insulating region which electrically insulates said plural charge accumulating regions from each other.

- 10. The recording medium according to claim 8, wherein said second material is a material whose conductivity is non-linearly changed in accordance with intensity of light irradiating said second material.
  - 11. A recording medium, comprising:
  - a substrate; and

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a recording layer overlying the substrate and having a plurality of charge accumulating regions each containing a first material capable of accumulating an electric charge and a photoconductive region containing a second material whose conductivity is increased by light absorption.

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- 12. The recording medium according to claim 11, further comprising:
- a conductive layer interposed between said substrate and said recording layer; and

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an insulating layer interposed between said conductive layer and said recording layer.

- 13. The recording medium according to claim 11, wherein said second material is a material whose conductivity is non-linearly changed in accordance with intensity of light irradiating said second material.
  - 14. A recording apparatus, comprising:
    - a recording medium comprising a substrate and a

recording layer overlying the substrate and having a plurality of charge accumulating regions each containing a first material capable of accumulating an electric charge, said recording layer further comprising a photoconductive region containing a second material whose conductivity is increased by light absorption or said recording medium further comprising a photoconductive layer in contact with the recording layer and having the photoconductive region; and

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a recording head arranged to face the main surface of said recording medium and comprising a light emitting section emitting light toward the recording layer and an electrode being adjacent to said light emitting section and utilized in injecting an electric charge into at least one of said plural charge accumulating regions.

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15. The recording apparatus according to claim 14, wherein said light emitting section emits a near field light as said light.

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16. The recording apparatus according to claim 14, further comprising a reproducing head arranged to face said recording medium and reading information corresponding to the amount of charge accumulated in said plural charge accumulating regions.

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17. The recording apparatus according to claim 14, wherein said recording medium has a laminate structure of said recording layer overlying said substrate and

said photoconductive layer formed on the recording layer.

- 18. The recording apparatus according to claim 14, wherein said recording medium further comprises a conductive layer and has a structure that said conductive layer overlying said substrate, said photoconductive layer is formed on said conductive layer, and said recording layer is formed on said photoconductive layer.
- 19. The recording apparatus according to claim 17, wherein said recording medium further comprises:

a conductive layer interposed between the substrate and the recording layer; and

an insulating layer interposed between the conductive layer and the recording layer.

20. A recording method of recording information by injecting an electric charge into a charge accumulating region containing a first material capable of accumulating the charge, comprising the steps of:

irradiating a photoconductive region arranged in contact with said charge accumulating region and containing a second material whose conductivity is increased by light absorption with light; and

injecting an electric charge into said charge accumulating region via a portion of the photoconductive region irradiated with light.

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